



BACKGROUND

The Department of Homeland Security (DHS) Science and Technology Directorate's (S&T) Office of National Laboratories (ONL) supports DHS operational components and partners with a centralized, integrated, and coordinated network of laboratories for research, development, test and evaluation (RDT&E). This laboratory network includes S&T's in-house national laboratories, which align to enduring RDT&E needs of the Department, as well as auxiliary capabilities provided through the U.S. Department of Energy's (DOE) National Laboratories and other government laboratories and sites.

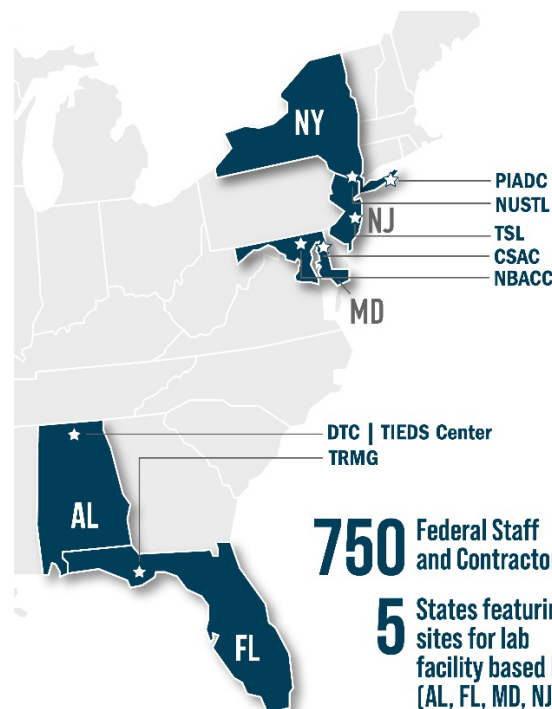
MISSION AND VISION

- **MISSION:** Enable DHS S&T's solution delivery through a coordinated network of laboratories providing technical expertise and RDT&E capabilities to deliver timely solutions and support Departmental acquisitions.
- **VISION:** Achieve a safer and more resilient nation through an integrated homeland security-based laboratory network.

FIVE IN-HOUSE S&T LABORATORIES

ONL ensures the safe, secure, and compliant management and operations of S&T's five in-house laboratories and capabilities, which include seven sites located in five states:

- **Chemical Security Analysis Center (CSAC)** – Aberdeen Proving Ground, Maryland
- **National Biodefense Analysis and Countermeasures Center (NBACC)** – Fort Detrick, Maryland
- **National Urban Security Technology Laboratory (NUSTL)** – New York City (Manhattan), New York
- **Plum Island Animal Disease Center (PIADC)** – Orient Point, New York
- **Transportation Security Laboratory (TSL)** – Atlantic City, New Jersey
 - **TSL Detection Technology Center (DTC)** – Terrorist Explosive Device Analytical Center (TEDAC) Improvised Explosives Detection and Synthesis (TIEDS) Center, Huntsville, Alabama
 - **TSL Tyndall Reactive Materials Group (TRMG)** – Tyndall Airforce Base, Panama City, Florida



S&T's lab facilities enhance homeland security by providing technology, knowledge, and expertise. These capabilities provide indispensable support to DHS operational components and partners alike, and have been instrumental in addressing dynamic mission areas using:

- **Chemical security analysis** to help DHS fight the opioid scourge and characterize various chemical threats.
- **Biological forensics and threat characterization** on pathogens like SARS-CoV-2, Ebola and Anthrax.
- **First responder technology** evaluations to ensure our operators in the field have the right tools to execute.
- **Animal agriculture defense** to mitigate threats of transboundary diseases like African Swine Fever virus.
- **Detection science** to enhance transportation security, using machine learning, artificial intelligence, and other advanced techniques.

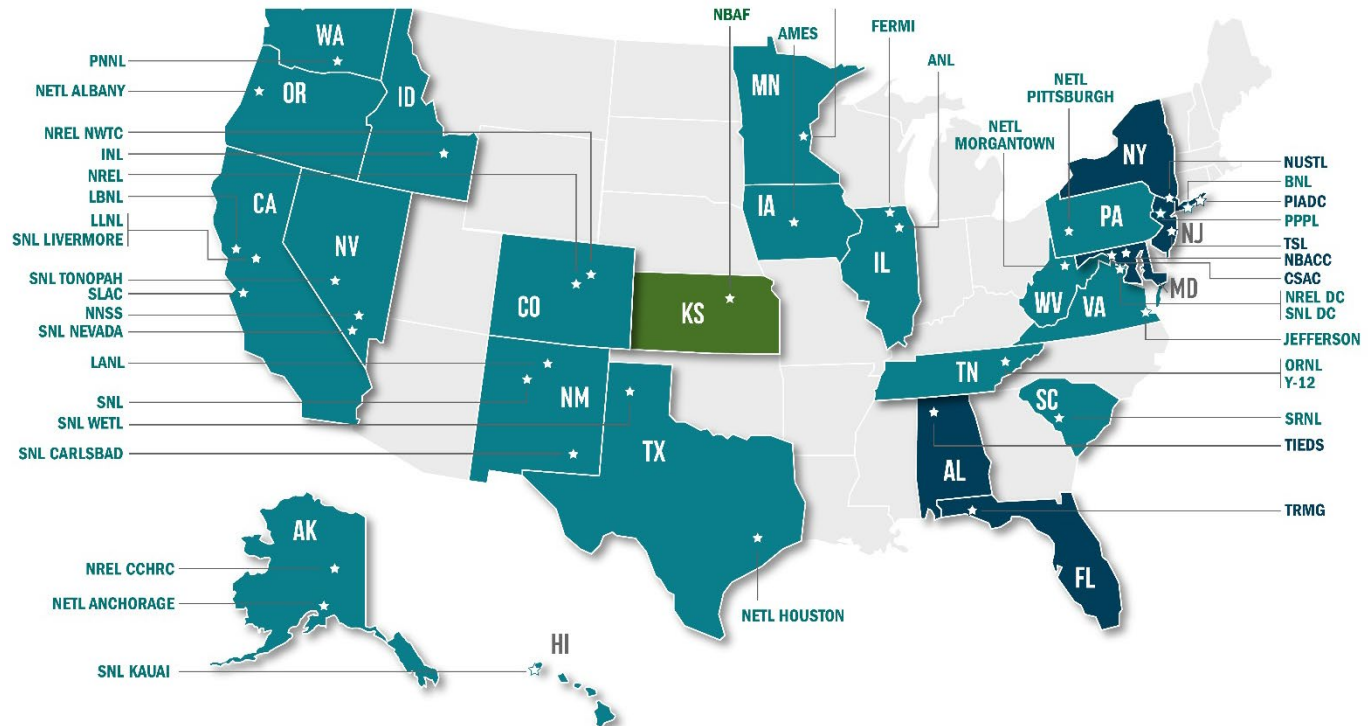
S&T's laboratories require dedicated resources to maintain modern capabilities with strategic investment in their infrastructure to support the DHS mission.





COORDINATION, INTEGRATION, AND PARTNERSHIP WITH NATIONAL LABORATORIES

ONL is proactive in identifying research programs at other government laboratories, most notably, the DOE National Laboratories that may have potential to conduct cutting edge science and accelerate delivery of technological solutions for the mission. ONL coordinates access for DHS to the DOE labs' capabilities and facilitates enduring partnerships and streamlined use of facilities and expertise.



DOE NATIONAL LABORATORIES ★

- Ames Laboratory (AMES) – IA
- Argonne National Laboratory (ANL) – IL
- Brookhaven National Laboratory (BNL) – NY
- Fermilab National Accelerator Laboratory (FERMI) – IL
- Idaho National Laboratory (INL) – ID
- Lawrence Berkeley National Laboratory (LBNL) – CA
- Lawrence Livermore National Laboratory (LLNL) – CA
- Los Alamos National Laboratory (LANL) – NM
- National Energy Technology Laboratory Albany (NETL Albany) – OR
- National Energy Technology Laboratory Anchorage (NETL ANCHORAGE) – AK
- National Energy Technology Laboratory Houston (NETL Houston) – TX
- National Energy Technology Laboratory Morgantown (NETL Morgantown) – WV
- National Energy Technology Laboratory Pittsburgh (NETL Pittsburgh) – PA
- National Renewable Energy Laboratory (NREL) – CO
- National Renewable Energy Laboratory – Cold Climate Housing Research Center (NREL CCHRC) – AK
- National Renewable Energy Laboratory – National Wind Technology Center (NREL NWTC) – CO
- National Renewable Energy Laboratory Washington DC Office (NREL DC) – DC

- Nevada National Security Site (NNSS) – NV
- Oak Ridge National Laboratory (ORNL) – TN
- Pacific National Laboratory (PNNL) – WA
- Princeton Plasma Physics Laboratory (PPPL) – NJ
- Sandia National Laboratories (SNL) – NM
- Sandia National Laboratory Livermore (SNL Livermore) – CA
- Sandia National Laboratory – Kauai Test Facility (SNL Kauai) – HI
- Sandia National Laboratory – Tonopah Test Range (SNL Tonopah) – NV
- Sandia National Laboratory – Carlsbad Programs Group (SNL Carlsbad) – NM
- Sandia National Laboratory – Nevada Projects Team (SNL Nevada) – NV
- Sandia National Laboratory – Weapons Evaluation Test Laboratory (SNL WETL) – TX
- Sandia National Laboratory – Minneapolis-St. Paul Office (SNL M-SP) – MN
- Savannah River National Laboratory (SRNL) – SC
- SLAC National Accelerator Laboratory (SLAC) – CA
- Thomas Jefferson National Accelerator Facility (Jefferson) – VA
- Y-12 National Security Complex (Y-12) – TN

DHS S&T LABORATORIES ★

- Chemical Security Analysis Center (CSAC) – MD
- National Biodefense Analysis and Countermeasures Center (NBACC) – MD
- National Urban Security Technology Laboratory (NUSTL) – NY
- Plum Island Animal Disease Center (PIADC) – NY
- Transportation Security Laboratory (TSL) – NJ
- Tyndall Reactive Materials Group (TRMG) – FL
- Joint FBI-TSA-S&T Terrorist Explosive Device Analytical Center Improvised Explosives Detection and Synthesis Center (TIEDS) – AL

OTHER INTERAGENCY LABORATORIES ★

- National Bio and Agro-Defense Facility (NBAF) – KS

